

## NGDEV micro SD Card update: Kraut Buster

Update process:

Get a Micro SD card (the card must be FAT32 formatted/max size 32 GB):

1. Unpack the .zip archive (KBUPDATE\_v1\_xx.zip)
2. Copy the file "KBUPDATE.BIN" to the root directory of your Micro SD card (e.g. "E:\KBUPDATE.BIN").
3. Insert the Micro SD card in the game cartridge (progboard)  
there is a white Micro SD card symbol on the PCB (JP3)
4. Insert the cartridge into the NEOGEO motherboard
5. Boot the cartridge

Due to heavy encryption and a slow CPU this takes a while. About 10-15 minutes.

After a successful update the file is deleted and the system resets to start the game.

The new software version number (v1.xx) can be seen in the "please wait" screen and you should hear the intro start.

You can leave the Micro SD card in if you want.

LED Status while updating:

Phase 1:

D3 (green) permanent on

D4 (blue) permanent on

Phase 2:

D2 (orange) blinking

D4 (blue) permanent on

On screen a message "SOFTWARE UPDATE" appears (or BIOS test grid screen).

In case of an error. We recommend to try at least 3 times (turn motherboard off and on again)

Error codes start with all 4 LEDs glowing then all are off and then an error code bit mask is displayed. Then all 4 are off and repeat.



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